

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9001	7 EACH	12 IN., 1-WAY, 3-SECTION (R.A.YA.GA.) SIGNAL HEAD SPAN MOUNT POLYCARBONATE
9002	10 EACH	12 IN., 1-WAY, 3-SECTION (R.Y.G.) SIGNAL HEAD SPAN MOUNT POLYCARBONATE
9003	2 EACH	12 IN., BUS PRE-EMPTION SIGNAL HEAD SPAN MOUNT
9004	1 EACH	EIGHT PHASE, FULLY-ACTUATED TRAFFIC SIGNAL CONTROLLER IN A NEMA SIZE '6' BASE MOUNTED SYSTEM READY CABINET.
9005	4 EACH	FOUR CHANNEL LOOP DETECTOR AMPLIFIERS (DELAY OUTPUT)
9007	205 S.F.	SHEET ALUMINUM SIGNS
		- 2 EACH D3-2 SIGN (VARIABLE x 16 IN.) - (ADVANCE STREET NAME PANEL) DUAL FACE SPAN WIRE MOUNT
		- 2 EACH D3-2 SIGN (VARIABLE x 32 IN.) - (ADVANCE STREET NAME PANEL) DUAL FACE SPAN WIRE MOUNT
		- 4 EACH R3-5L SIGN MODIFIED (30 IN. x 36 IN.) - 'LANE USE CONTROL - LEFT ONLY' SPAN WIRE MOUNT
		- 2 EACH R3-5R SIGN MODIFIED (30 IN. x 36 IN.) - 'LANE USE CONTROL - RIGHT ONLY' SPAN WIRE MOUNT
		- 1 EACH R3-6 SIGN MODIFIED (30 IN. x 36 IN.) - 'LANE USE CONTROL - LEFT THRU' SPAN WIRE MOUNT
		- 1 EACH R6-1(R) SIGN (36 IN. x 12 IN.) *ONE WAY* ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (30 IN. x 51 IN.) POLE MOUNT: M3-3 SIGN (24 IN. x 12 IN.) *SOUTH* M1-5 SIGN (24 IN. x 24 IN.) *MARYLAND 2* (FOR INDEPENDENT USE)
		M6-1 SIGN (21 IN. x 15 IN.) *DIRECTIONAL ARROW- HORIZONTAL*
		- 1 EACH R6-1(L) SIGN (36 IN. x 12 IN.) *ONE WAY* ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (30 IN. x 51 IN.) POLE MOUNT: M3-1 SIGN (24 IN. x 12 IN.) *NORTH* M1-5 SIGN (24 IN. x 24 IN.) *MARYLAND 2* (FOR INDEPENDENT USE)
		M6-1 SIGN (21 IN. x 15 IN.) *DIRECTIONAL ARROW- HORIZONTAL*
		- 1 EACH R6-1(R) SIGN (36 IN. x 12 IN.) *ONE WAY* ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (30 IN. x 75 IN.) POLE MOUNT: M3-1 SIGN (30 IN. x 15 IN.) *NORTH* M1-5 SIGN (36 IN. x 36 IN.) *MARYLAND 2* (FOR INDEPENDENT USE)
		M6-1 SIGN (30 IN. x 24 IN.) *DIRECTIONAL ARROW- HORIZONTAL*
		- 1 EACH R6-1(L) SIGN (36 IN. x 12 IN.) *ONE WAY* ONE PIECE SHIELD ASSEMBLY ON A BLACK BACKGROUND - (36 IN. x 75 IN.) POLE MOUNT: M3-3 SIGN (30 IN. x 15 IN.) *SOUTH* M1-5 SIGN (36 IN. x 36 IN.) *MARYLAND 2* (FOR INDEPENDENT USE)
		M6-1 SIGN (30 IN. x 24 IN.) *DIRECTIONAL ARROW- HORIZONTAL*

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
2001	4 C.Y.	TEST PIT EXCAVATION
5024	200 L.F.	FURNISH AND INSTALL WHITE REFLECTIVE HEAT APPLIED PREFORMED PAVEMENT MARKINGS (STOP LINE)
8009	21 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8010	850 L.F.	FURNISH AND INSTALL NO 6 AWG STRANDED BARE COPPER GROUND WIRE
8011	L.S.	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
8012	340 L.F.	FURNISH & INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8013	320 L.F.	FURNISH & INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8014	800 L.F.	FURNISH & INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8015	30 L.F.	FURNISH & INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8016	45 L.F.	FURNISH & INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8017	2 EA.	FURNISH AND INSTALL 250 WATT H.P.S. LAMP AND LUMINAIRE
8019	14 EA.	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8020	205 L.F.	INSTALL OVERHEAD SIGN
8021	1 EA.	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
8022	675 L.F.	FURNISH AND INSTALL 3/8 INCH SPAN WIRE
8023	4 EA.	FURNISH AND INSTALL 32 FOOT STEEL STRAIN POLE
8024	675 L.F.	FURNISH AND INSTALL 1/2 INCH LEATHER WIRE
8025	475 L.F.	FURNISH AND INSTALL ELECTRICAL OPTICOM DETECTOR CABLE - 4 CONDUCTOR (NO 20 AWG)
8026	2850 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8027	3 EA.	FURNISH AND INSTALL 3 INCH WEATHER HEAD
8028	5 EA.	FURNISH AND INSTALL GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8029	19 EA.	INSTALL SIGNAL HEAD - ANY TYPE
8030	10 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO 4 AWG)
8031	2800 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8032	150 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
8033	500 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (NO 12 AWG)
8034	4855 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)
8035	1215 L.F.	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8036	2 EA.	FURNISH AND INSTALL 20' LIGHTING ARM ON SIGNAL STRUCTURE
8037	1 EA.	INSTALL EIGHT PHASE (FULLY ACTUATED) SYSTEM READY CONTROLLER AND CABINET - BASE MOUNT
8039	L.S.	REMOVE EXISTING SIGNAL EQUIPMENT TO BE SALVAGED
8040	L.S.	DELIVERY OF SALVAGED MATERIALS
8042	700 L.F.	REMOVE AND REINSTALL EXISTING INTERCONNECT CABLE
8054	60 L.F.	FURNISH & INSTALL 1 INCH GALVANIZED STEEL ELECTRICAL CONDUIT FOR DETECTOR SLEEVE
8056	2 EA.	FURNISH AND INSTALL OPTICOM DETECTOR EYE POLE MOUNT
8058	15 L.F.	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED ENCASED IN 3 INCH OF CONCRETE

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7941 CONNELLEY DRIVE, HANOVER, MARYLAND 21076.

<u>QUANTITY</u>	<u>DESCRIPTION</u>
4	STEEL STRAIN POLE
1	TRAFFIC SIGNAL CONTROLLER AND CABINET.
2	BUS PRE-EMPTION SIGNAL HEAD
2	OPTICOM DETECTOR EYE


NOTES: 1. THE CONTRACTOR SHALL NOTIFY THE SHA AT 410-787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

2. ALL EQUIPMENT TO BE REMOVED AND NOT LISTED ABOVE SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



**RUMMEL, KLEPPER
& KAHL, LLP**
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REVISIONS		APPROVALS		<div> MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION SIGNAL PLAN FOR MD RTE. 2 @ EAST-WEST BLVD. AND PASADENA RD. EAST-WEST BLVD FROM JUMPERS HOLE RD. TO 600 FT. EAST OF MD. RTE. 2</div>							
		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION									
		ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION									
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION									
		DIRECTOR, TRAFFIC & SAFETY									
(E) RECONSTRUCT TRAFFIC SIGNAL DUE TO NEW GEOMETRICS		10/99		DRAWN BY: SMH		F.A.P. NO.		SEE TITLE SHEET		TS NO.	
D ADDED BUS PRE-EMPTION		6/95		CHECKED BY: DLA / CS		S.H.A. NO.		N/A		307E	
				SCALE: NO SCALE		COUNTY:		ANNE ARUNDEL		T.I.M.S. NO.	
				DATE: NOVEMBER, 1999		LOG MILE:		02000232.03		C937	
										SHEET NO. 67 OF 78	